

CR-AVE

January 2006



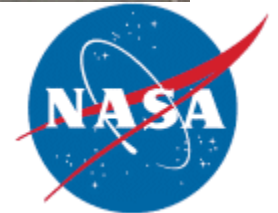
NASA Earth Science Project Office
Kent Shiffer



Juan Santamaria Airport



Airport Facilities



Houston

- ESPO Arrival and Setup 1/02/06
- P.I. Arrival 1/04/06
- Instrument Integration 1/05/06-1/09/06
- Test Flights 1/09/06-1/12/06
- Mission Readiness Review ~ 1/12/06
- C-5 Loadmasters arrive 1/12/06
- C-5 Arrival 1/13/06
- WB-57 Transit to Costa Rica 1/14/06
- Transit to Costa Rica on C-5 1/14/06



Costa Rica

ESPO Arrival and Setup

1/09/06

Submit badge requests with PP copies

1/12/06

(C-5 Arrival 1/14/06)

- Collect and Check Passports before deplaning
- Unload C-5 Cargo
- Grayline Bus
- Rental Car Bus
- Hotel Check in



Badging in Costa Rica

- Badges required for airport access
- Passport copies required for badge submission
- Paper Badges issued every 7 days
- Rental Car license numbers submitted to security for car access



Gray Line Bus

- Scheduled bus from Melia Cariari to hangar
- 30-60 minute round trip (Traffic Dependent)
- Bus scheduled 4 hours prior to takeoff time



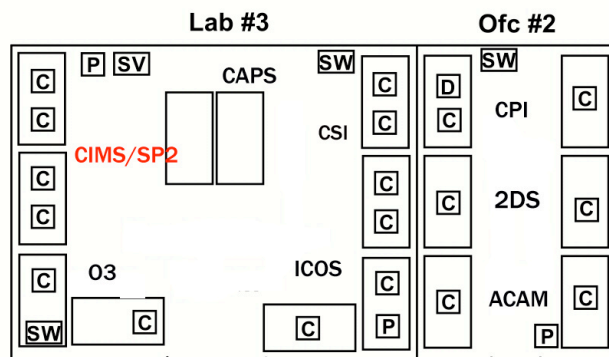
Hangar Labs Costa Rica

CR-AVE *Hangar* Lab Layout

Juan Santamaria A/P - San Jose, CR

Aura Validation Experiment

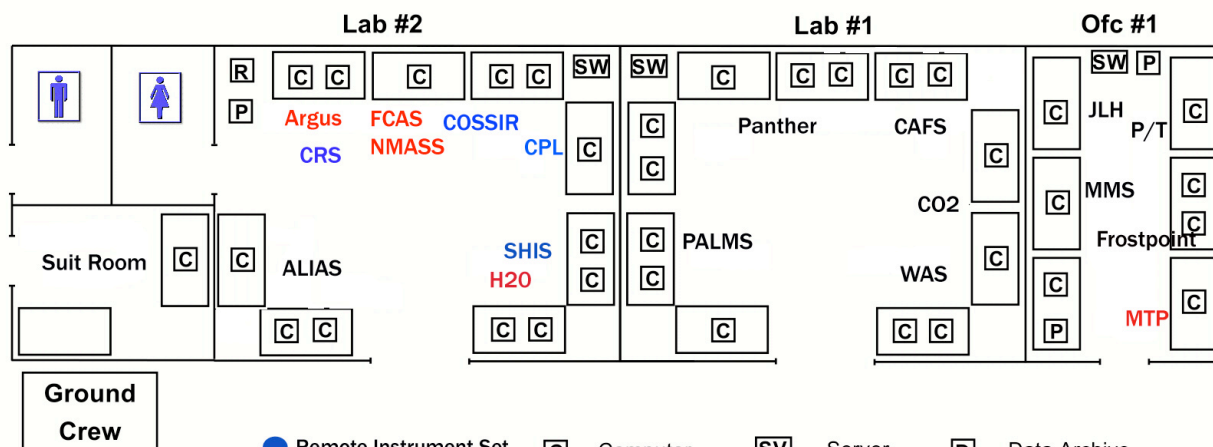
January 2006



Equipment Summary

Computers	40 +
Printers	5-6
Servers	1
Switches	5-6
Data Archive (nav)	1
Router (2 IPs)	1

Total # IPs required: 55+

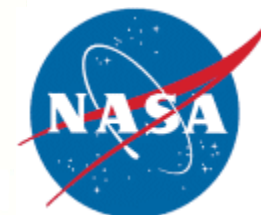


● Remote Instrument Set
● In-Situ Instrument Set

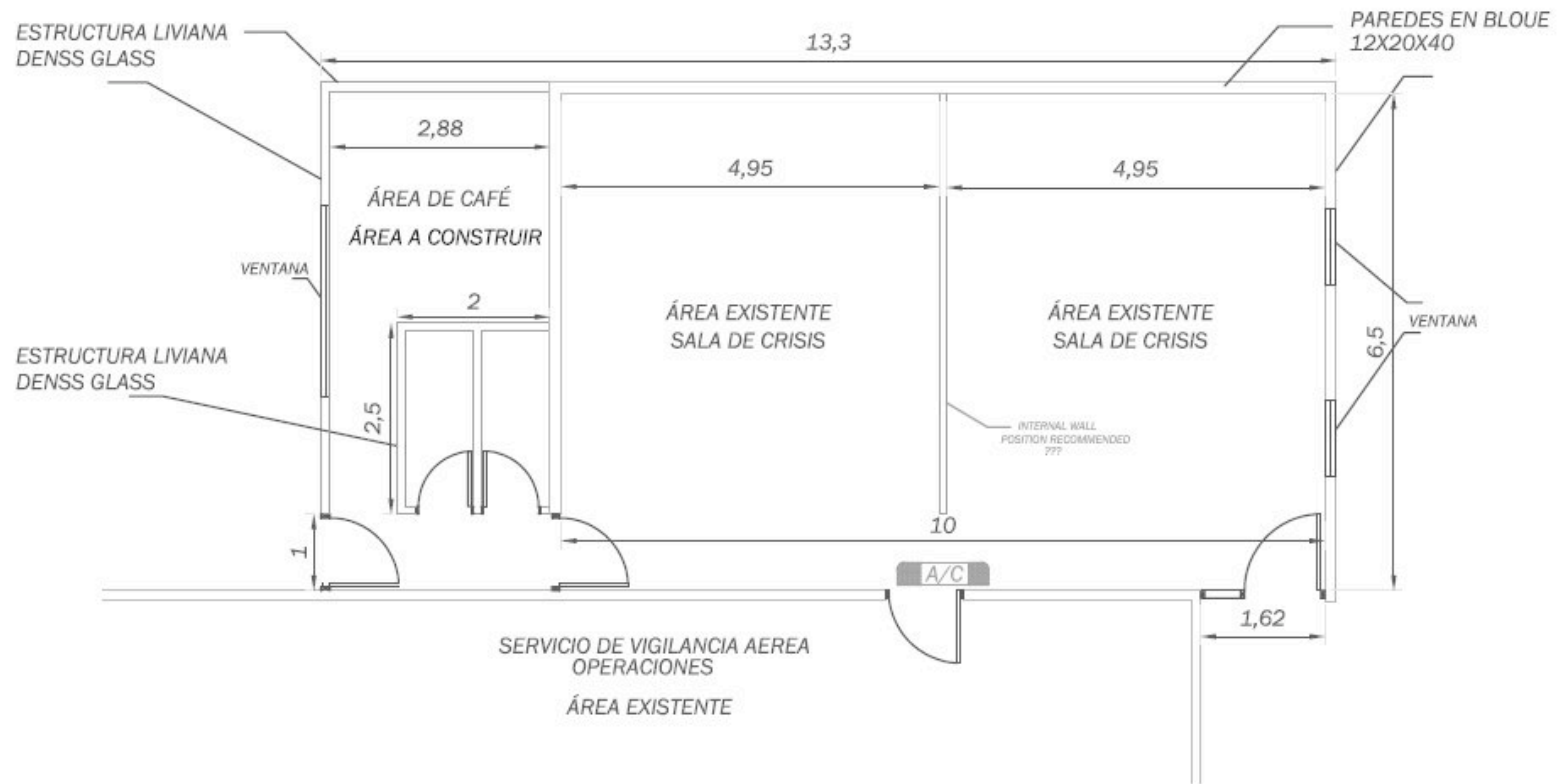
□ - Computer
□ - Printer

□ - Server
□ - Switch

□ - Data Archive
□ - Router



Office Costa Rica



PLANTA DE DISTRIBUCIÓN ARQUITECTÓNICA

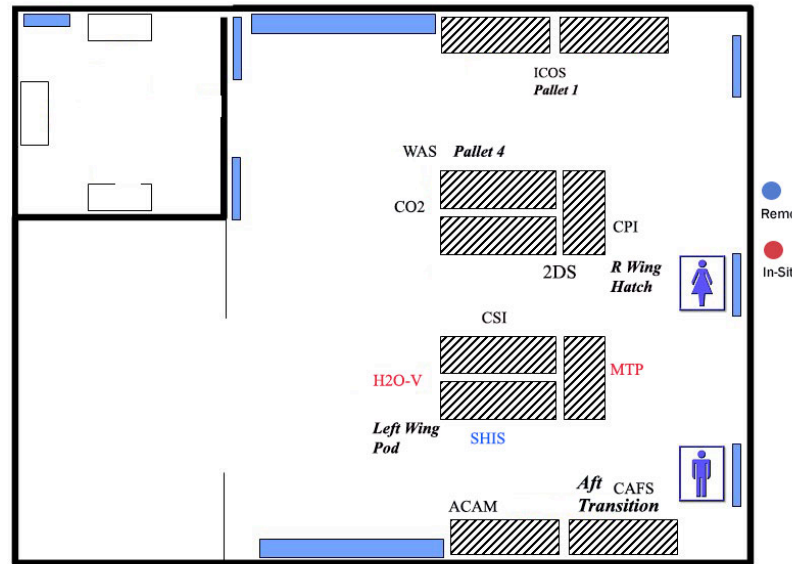
SIN ESCALA



Houston Lab Layout

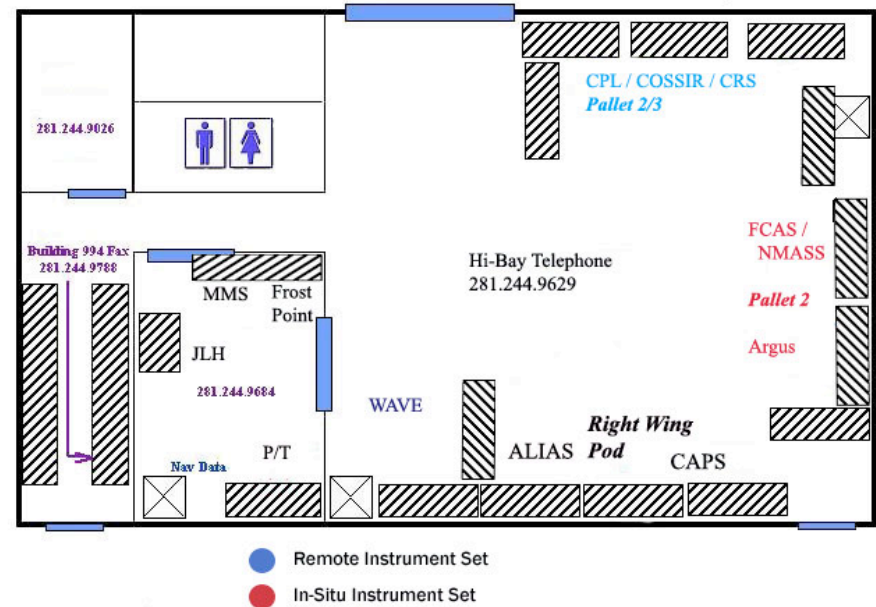
Bldg 993

CR-AVE @ Houston
January 2006
Lab Layout



Bldg 994

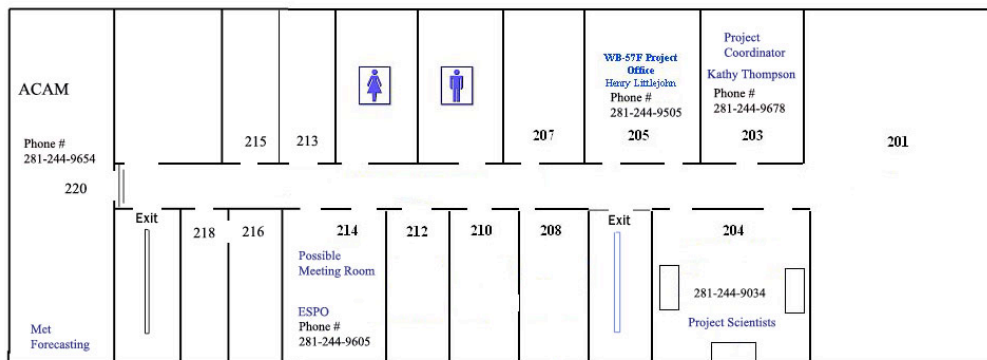
CR-AVE @ Houston
January 2006
Lab Layout



Houston Lab Layout

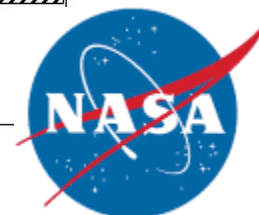
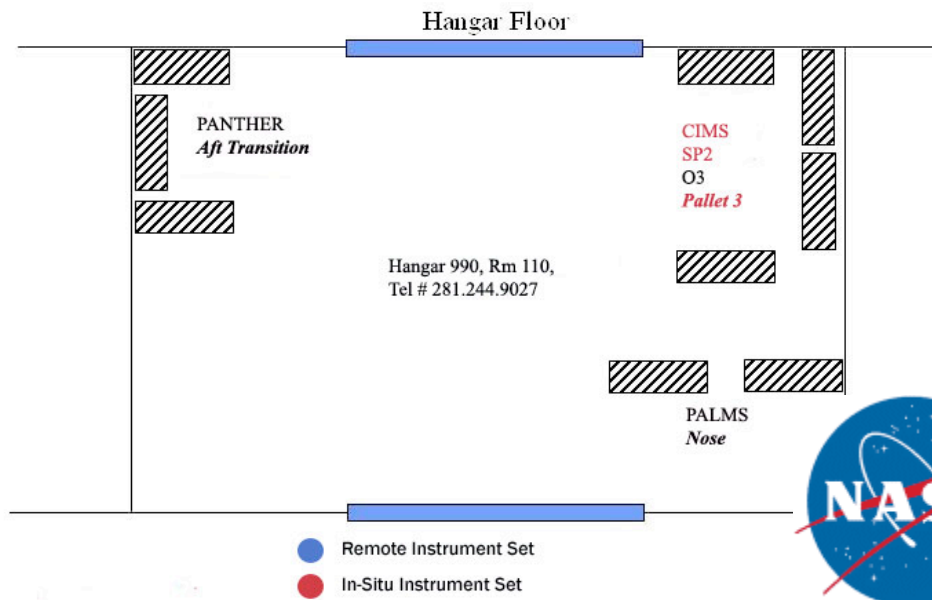
Bldg 990 - 2nd Floor

CR-AVE @ Houston
January 2006
Lab Layout



Bldg 990 - Rm 110

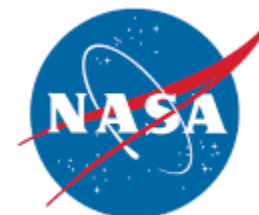
CR-AVE @ Houston
January 2006
Lab Layout



Gases

CRAVE Gas Supply List

Instrument	Gas Type	LN 2	Dry Ice	N 2 Dry -80	N 2 Dry -200	N 2 Dry -300	Dry N2 Duration	HP N 2 -80	HP N 2 -200	HP N 2 -300	HP N 2 Duration	UHP N 2 -80	UHP N 2 -200	UHP N 2 -300	UHP N 2 Duration	Ultra Zero Air -80	Ultra Zero Air -200	Ultra Zero Air -300	Ultra Zero Air Duration	Gas Type	Instrument
	CAFS				1		10													CAFS	
	Harvard CO2		20					1			30									Harvard CO2	
	NOAA CIMS																			NOAA CIMS	
	NOAA SP2			1			10													NOAA SP2	
	CRS				11		20													CRS	
	JLH												1		45		1		45	JLH	
	S-HIS												1		30					S-HIS	
	Argus	4																		Argus	
	CPL																			CPL	
	CPI				1		5													CPI	
	FCASS/NMASS				1		7													FCASS/NMASS	
	ICOS	10																		ICOS	
	ACAM				1		2													ACAM	
	PANTHER		10																	PANTHER	
	CSI				8															CSI	
	H2Ov					1												3		H2Ov	
	WAS	15																		WAS	
	Totals	29	30	1	23	1		1	0	0		0	2	0		0	1	3		Totals	
	Gas Type	Liters LN 2	#s Dry Ice	N 2 Dry -80	N 2 Dry -200	N 2 Dry -300	Dry N2 Duration	HP N 2 -80	HP N 2 -200	HP N 2 -300	HP N 2 Duration	UHP N 2 -80	UHP N 2 -200	UHP N 2 -300	UHP N 2 Duration	Ultra Zero Air -80	Ultra Zero Air -200	Ultra Zero Air -300	Ultra Zero Air Duration	Gas Type	



Request for Information

- Personnel Dates at each site *Kathy Thompson
 - (including C-5 arrival/departure names)
- Passport copies for CR badging *Kathy Thompson
- Shipping and Hazardous goods on C-5
 - *Quincy Allison
- Shipping into Costa Rica not on C-5
 - *Quincy Allison



Costa Rica Particulars

- Currency rate \$1.00=494.2 CRC
- Pick pocketing/petty theft
- Car accidents – stay with car
- Approved Taxi – Sitio (Red Taxi)



Airport

- Orange safety vest required on the ramp.
- Badge required to be displayed.
- Hangar Safety
 - No open toe shoes, etc
 - Active ramp around hangar
 - No smoking



Issues

- **ICASS** — Shipping costs not covered by the US Embassy.
(Currently under review at SMD budget office)
- **Limited Internet speeds** (possibly forced to switch to an ADSL connection) **3Mbps down and 512kbps up.**
- **Hotel Tax exemption**
- **Travel High Season**
- **Working on rental car agreements**
(Alamo, Hertz)

